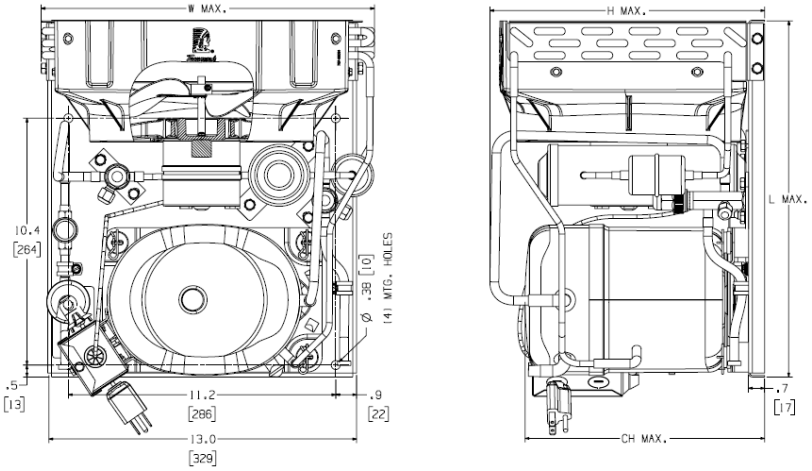
January 23, 2013
Revision: REL

Celseon® Air Cooled Condensing Unit

Model: AKA9435EAAD*
BoM: 2G303- R-22 1/2 HP**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AKA9435EAADA	15.0	14.0	11.2	10.1	3/8" S	1/4" S	N/A	185	15	52
AKA9435EAADG					3/8" S	3/8" S	2.5 lbs			54
AKA9435EAADH					3/8" S	3/8" S	N/A			52
AKA9435EAADK					3/8" S	1/4" S				52
AKA9435EAADC					3/8" S	3/8" S	2.5 lbs			54
AKA9435EAADS					3/8" S	3/8" S	N/A			52
AKA9435EAADJ					3/8" S	3/8" S	2.5 lbs			54
AKA9435EAADP					3/8" S	3/8" S	2.5 lbs			54

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	16.5	1677	396	91	1600	389	100	1106	415	105	853	415	107
-5	20.0	1997	426	93	1848	423	102	1405	441	108	1141	442	111
0	24.0	2340	457	95	2124	458	104	1721	468	110	1445	472	115
5	28.2	2707	489	98	2428	493	106	2056	498	113	1763	504	119
10	32.8	3096	522	101	2760	529	109	2408	530	116	2096	538	122
15	37.7	3509	555	103	3121	566	112	2778	564	119	2445	575	126
20	43.0	3944	589	106	3510	604	114	3166	600	122	2809	613	130
25	48.8	4403	624	109	3928	642	117	3572	639	125	3188	655	133
30	54.8	4885	659	112	4373	680	120	3995	680	128	3582	698	137
35	61.5	5390	695	116	4847	720	124	4437	723	131	3991	744	140
40	68.5	5918	732	119	5349	760	127	4896	769	135	---	---	---
45	76.0	6469	769	122	5879	800	130	5373	816	138	---	---	---

60 Hz Performance
Return gas temp. 40°F, 5°F sub cooling

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Specifications/ Parts:

Unit Model	**AKA9435EAADA**
Unit Bill of Material	**2G303-09**
Refrigeration Range	-10° F to +45° F
Design Pressure Low	150
Design Pressure High	450
Nominal Volts-Hz-Ph	115-60-1
Voltage Range	103 to 127
Min. Circuit Ampacity	9.5
Max. Fuse Size (amps)	15
Compressor Model	AKA9428EXA
Comp. Bill of Material	AK164AT-037-P2
Compressor RLA/LRA	7.3/48
Overload	External
Relay	82498-1
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	85PS165C96
Start Capacitor Rating	161-193 MFD 165V
Fan Motor	810-10001
Fan Motor RLA	.38
Fan Blade	515-10002
Fan Shroud/Guard Combo	707-00004
Condenser	506-10004
Unit Drawing	DGU1970-03
Wiring Diagram	91266-01
Replacement Kit: Relay	K71-02
Replacement Kit: O/L	K90-35

Unit Model	**AKA9435EAADG**
Unit Bill of Material	**2G303-19**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AKA9435EAADH**
Unit Bill of Material	**2G303-29**
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AKA9435EAADK**
Unit Bill of Material	**2G303-39**
Power Cord	85106-14
Unit Model	**AKA9435EAADC**
Unit Bill of Material	**2G303-59**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AKA9435EAADS**
Unit Bill of Material	**2G303-69**
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AKA9435EAADJ**
Unit Bill of Material	**2G303-79**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Filter Drier	71116
Sight Glass	70084
Unit Model	**AKA9435EAADP**
Unit Bill of Material	**2G303-89**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Filter Drier	71116
Sight Glass	70084

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